

Human ICAM-3 / CD50 (His Tag) recombinant protein



Catalog Number: 503178

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of human ICAM3 (NP_002153.2) (Met 1-His 485) was expressed, with the C-terminal fused polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of PMA stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells.

When cells are added to ICAM3 coated plates (12.5 µg/mL, 100 µL/well), approximately >25% cells will adhere specifically.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gln 30

Molecular Mass

The recombinant human ICAM3 consists of 467 amino acids after removal of the signal peptide and predicts a molecular mass of 50.8 kDa. By SDS-PAGE, the apparent molecular mass of rh ICAM3 is approximately 100-120 kDa due to the glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

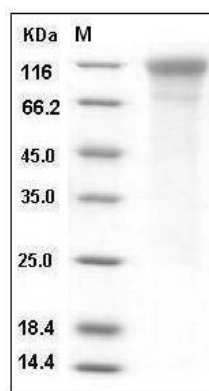
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CD50 / ICAM-3 Protein (His Tag) SDS-PAGE